PHYSEOPARDY

Temp. Scales	Fill in The _____	True or False	Heat Transfer	Misc.
$100	$100	$100	$100	$100
$200	$200	$200	$200	$200
$300	$300	$300	$300	$300
$400	$400	$400	$400	$400
$500	$500	$500	$500	$500

Jeopardy

You have selected an area of the board not in play.

Click here to go back to the main board

Temperature Scales - ***$100***

100 degrees Celsius is the temperature that:

a. Water freezes

b. Water boils

c. Is the highest temperature recorded in MN

d. None of these

ANSWER

Temperature Scales - *$200*

What temperature is absolute zero?

ANSWER

Temperature Scales - *$300*

What is a bigger change: A change of 1 degrees Celsius or a change of 1 degrees Fahrenheit?

ANSWER

Temperature Scales - *$400*

What is average human body temperature? (Double the points if you have it in all three scales!)

ANSWER

Temperature Scales - *$500*

What is a bigger change: A change of 1 degrees Celsius or a change of 1 Kelvin?

ANSWER

Fill in the _____ - $100

Heat flows from _____ to _____.

ANSWER

Fill in the _____ - $200

Temperature is a measure of _____ kinetic _____ .

ANSWER

Fill in the _____ - $300

Bad conductors are called _____.

ANSWER

Fill in the _____ - $400

The temperature at which all molecule motion stops is called _____ _____ .

ANSWER

Fill in the _____ - $500

Most substances _____ when heated and _____ when cooled.

ANSWER

True or False - ***$100***

Common ice can be colder than 0°C

ANSWER

True or False - *$200*

There are exactly 3 temperature scales commonly used in the world.

ANSWER

True or False - *$300*

We use blankets because they are good heat conductors.

ANSWER

True or False - *$400*

Our hands are a consistent and reliable way to judge temperature.

ANSWER

True or False - ***$500***

When a glass of water is 70^{o}F, all the water molecules are going the same speed.

ANSWER

Transferring Heat - *$100*

The form of heat transfer where heated fluid rises and cooler fluid sinks:

a. conDUction
b. conVEction
c. radiation

ANSWER

Transferring Heat - *$200*

The form where light waves transfer heat:

a. conDUction
b. conVEction
c. radiation

ANSWER

Transferring Heat - *$300*

The form of heat transfer where particles in a substance bump into each other or heat is transferred between substances by contact:

a. conDUction

b. conVEction

c. radiation

ANSWER

Transferring Heat - *$400*

Energy transfer by convection generally happens in:

a. Gases
b. Liquids
c. Solids
d. Both A & B
e. None of the above

ANSWER

Transferring Heat - *$500*

Air is a good heat:

A. conductor
B. insulator
C. emitter
D. absorber
E. radiator

ANSWER

Miscellaneous - *$100*

When we turned on friction in our rollercoasters (Energy Skate Park) it added which kind of energy?

a. potential energy

b. kinetic energy

c. thermal energy

ANSWER

Miscellaneous - *$200*

Which contains more internal heat energy: a **bucket** of warm (50 deg C) or a **cup** of hot (100 deg C) water?

a. cup
b. bucket
c. same

ANSWER

Miscellaneous - *$300*

In class, we trapped ice at the bottom of a test tube and got the top to boil in a flame. This shows that water is

a. A good conductor
b. Better at convection than conduction
c. Both a. & b.
d. Neither

ANSWER

Miscellaneous - *$400*

Oops.

ANSWER

Miscellaneous - *$500*

Which of these is a kind of light?

a. Microwave
b. Infrared
c. Gamma rays
d. All of the above
e. None of the above

ANSWER

****Answers****

Temperature Scales - *$100*

100 degrees Celsius is the temperature that:

a. Water freezes

b. Water boils

c. Is the highest temperature recorded in MN

d. None of these

DONE

Temperature Scales - ***$200***

0 Kelvin or -273^{o}C or -460^{o}F

DONE

Temperature Scales - *$300*

1°C is bigger than 1°F

(It takes fewer “steps” to get from freezing to boiling in Celsius, so the steps must be bigger.)

DONE

Temperature Scales - *$400*

98 ^{o}F

37 ^{o}C

310 K

DONE

Temperature Scales - ***$500***

They are the same size!

(Celsius and Kelvin have the same size “step”, they just have different places they call zero.)

DONE

Fill in the _____ - $100

“hot”

“cold”

DONE

Fill in the _____ - $200

“average”

“energy”

DONE

Fill in the _____ - $300

“insulator”

DONE

Fill in the _____ - $400

“absolute zero”

DONE

Fill in the _____ - $500

“expand”

“contract”

DONE

True or False - *$100*

TRUE: Common ice can be colder than 0°C

DONE

True or False - *$200*

TRUE: There are exactly 3 temperature scales commonly used in the world. C, F, K

DONE

True or False - *$300*

FALSE: We use blankets because they are good heat conductors. – they don't let the heat transfer away from us.

DONE

True or False - *$400*

FALSE: Our hands are a consistent and reliable way to judge temperature.

DONE

True or False - *$500*

FALSE: When a glass of water is 70^{o}F, all the water molecules are going the same speed. Temperature is the average.

DONE

Transferring Heat - *$100*

The form of heat transfer where heated fluid rises and cooler fluid sinks:

a. conDUction

b. conVEction

c. radiation

DONE

Transferring Heat - *$200*

The form where light waves transfer heat:

a. conDUction
b. conVEction
c. radiation

DONE

Transferring Heat - *$300*

The form of heat transfer where particles in a substance bump into each other or heat is transferred between substances by contact:

a. conDUction

b. conVEction

c. radiation

DONE

Transferring Heat - *$400*

Energy transfer by convection generally happens in:

a. Gases
b. Liquids
c. Solids
d. Both A & B
e. None of the above

DONE

Transferring Heat - *$500*

Air is a good heat:

A. conductor
B. insulator
C. emitter
D. absorber
E. radiator

DONE

Miscellaneous - *$100*

When we turned on friction in our rollercoasters (Energy Skate Park) it added which kind of energy?

a. potential energy

b. kinetic energy

c. thermal energy

DONE

Miscellaneous - *$200*

Which contains more internal heat energy: a **bucket** of warm (50 deg C) or a **cup** of hot (100 deg C) water?

a. cup
b. bucket
c. same

DONE

Miscellaneous - *$300*

In class, we trapped ice at the bottom of a test tube and got the top to boil in a flame. This shows that water is

a. A good conductor

b. Better at convection than conduction

c. Both a. & b.

d. Neither

DONE

Miscellaneous - *$400*

Oops.

DONE

Miscellaneous - *$500*

Which of these is a kind of light?

a. Microwave
b. Infrared
c. Gamma rays
d. All of the above
e. None of the above

DONE

CONTINUE